Docket No. 21US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Wang et al.

Application No:

09/528,225

Filing Date:

March 21, 2000

For:

CHIMERIC PROTEINS FOR DIAGNOSIS AND

TREATMENT OF DIABETES

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

Date of Deposit: March 16, 2004

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Mark Farber C/O Alexion Pharmaceuticals, Inc. 352 Knotter Drive Cheshire, CT 06410



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Applicant: Wang et al.

Serial No: 09/528,225 Examiner: Saoud, Christine J.

Filed: March 21, 2000 Group Art Unit: 1647

For: Chimeric Proteins for Diagnosis and Treatment of Diabetes

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In accordance with Applicant's duty of disclosure under 37 C.F.R §1.56, Applicants submit the enclosed reference for the Examiner's consideration.

It is respectfully requested that the reference(s) submitted with Form PTO-1449 be considered during Examination of the above-identified application and made of record therein. A copy of the reference(s) is/are enclosed. This submission is believed to be in compliance with 37 C.F.R. §1.97 and 37 C.F.R. §1.98.

The citation of the listed item(s) is not a representation that it constitutes a complete or exhaustive listing of prior art or that it constitutes prior art. The item(s) listed is/are submitted in good faith, but is/are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner, it will assist the Examiner in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. $\S1.56(b)$.

- () This information disclosure statement is being filed within three (3) months of the filing date of this application.
- () This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R.§ 1.491 in an international application.
 - () To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action in connection with this case.
 - () Enclosed is a certificate under 37 C.F.R. §1.97 (e)(i).

- () Enclosed is a petition under 37 C.F.R. §1.97 (d)
- () Please charge the petition fee of \$130.00 required under 37 C.F.R. §1.17 (i)(1) to Deposit Account No. 01-0483.
- (x) This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection of Notice of Allowance
 - () Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Satementn. 37 C.F. R. §1.97 (e) (1); and no fee is required under 37 C.F.R. §1.17 (p).
 - () As set forth in 37 C.F.R. §1.97 (c), to the best of Applicant(s) knowledge, this information disclosure statement is being filed before either the mailing of a final action under 37 C.F.R.§1.113 or the mailing of a notice of allowance under 37 C.F.R. §1.113, and is accompanied by the \$220.00 fee as provided for in 37 C.F.R. §1.17(p).
 - () Please charge the \$240.00 fee required by 37 C.F.R. $\S1.17(p)$ to Deposit Account No. 01-0483.
 - (x) Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or 37 C.F.R. §1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 01-0483. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend time as required and charge Deposit Account No. 01-0483 therefor. TWO COPIES OF THIS SHEET ARE ENCLOSED.

Early and favorable consideration of the case is respectfully

requested.

Dated:

Mark Farber

Registration No. 34,159 Attorney for Applicants

Mark Farber C/O Alexion Pharmaceuticals, Inc. 352 Knotter Drive Cheshire, CT 06410 (203) 271-8319

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	P	ammerer, 1983. Meth Enz	ymol 101:192	
			1993 J Clin Invest 92:1608-1616	
	$\overline{}$	tkinson et al. 1990 La		
		tkinson et al. 1990 Di		
		tkinson et al. 1992 La		
			Clin Invest 91:350-356	<u> </u>
			rent Protocols In Molecular Biology, Joh	n Wiley & Sons,
		New York Baekkeskov et al. 1982	Notice 200, 167, 160	
			J Clin Invest 79:926-934	- mt -
-		Baekkeskov et al. 1990		
		Bock et al. 1992 Lancet	**************************************	
			Eur J Immunol 23:1552+1560	
		Bonifacio et al. 1990 I		
			mol Today 15 (3):115-120	
-	_	Brunner et al. 1995 Nat		
		Butler et al. 1993 J Ex		
		Chang et al. 1978 Natur		
		Chen et al. 1994 Science		
			Protein Stuture and the Principles of	protein
		Conformation Plenum Pre		
		hou and Fasman 1978 Ad	lv Enzymol 47:45-147	
		Cohen et al. 1992 Ann R	tev Immunol 10:267 et seq.	
			rent Protocols in Immunology John Wiley	& Sons, New York
`		Conrad et al. 1994 Natu		
		Cotter et al. 1990 Anti	cancer Research 10:1153 et seq.	
`		Crispe 1994 Immunity 1:		
			tl. Acad. Sci. USA 93:956-960	
			nods in Molecular Biology, 2 nd ed. Apple	ton and Large
		Norwalk, CT		*
			Proc Natl Acad Scie USA 89:9841-9845	
		Dhein et al. 1995 Natur		
			Immunol Today 7:115 et seq.	
	<u> </u>	Elliott et al. 1996 J C		
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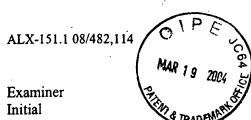
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		FILING DATE	GROUP Art Unit:
	OTHER DOCUMENTS (Including	g Author, Title, Date, Pertinent Pages,	Etc.)
	Evans and Scarpulla 198		
	Farrell, Jr. 1993 RNA M	Methodolgies: A Laboratory Guide For Isc	olation And
		emic Press Inc. San Diego, CA	
	York, pp 1979-2000	Principles of Int Med, Thirteenth Ed.,	NcGraw-Hill, New
	Garnier et al., 1978 J	Mol Biol 120:97-120	
		acl Acids Res 8:4057 et seq.	
		ls., 1994 PCR Technology, Current Innova	tions, CRC Press.
	Boca Raton, FL		
	Griffin et al., 1995 Am		
	Grosjean and Fiers, 198		
		Clin Invest 90:1901-1910	
	Harrison, 1992 Immunol		
		cocols For Gene Analysis: Methods In Mol	ecular Biology,
	Vol. 31. The Humana Pre	abetologia 40:1327-1333	<u> </u>
		chemistry 31:8619 et seq.	
	Herold et al., 1992 J E		
	Ho et al. 1989 Gene 77:		·
	Honeyman et al., 1993 J		
		Mol Cell Biol 10:1805 et seq.	
	Ju et al. 1995 Nature 3		
		2 New Eng J Med 327:302-307	· · · · · · · · · · · · · · · · · · ·
	Karounos and Thomas 199		
	Kaufman et al. 1992 J C		
	Kaufman et al., 1993 Na Kaufman et al., 1993 Na		
	Kawabe and Ochi, 1991 N		· · · · · · · · · · · · · · · · · · ·
		Clin. Endocrinol. Metab 82:375-380	
		osis: The Molecular Basis of Cell Death	. Tomei and Cone
		oratory Press, Plainview, New York pp 5	
	Kim et al., 1993 Immuno		
	Klaus, ed. 1987 Lymphoc	ytes: A Practical Approach IRL Press Ox	ford England
	Lenardo, 1991 Nature 35		
1 1	Lockshin and Zekeri, 19	91 Apoptosis: The Molecular Basis of Ce	ll Death, Tomei
		ring Harbor Laboratory Press, Planview,	New York, pp 47
	et seq. Lohman et al., 1994 Lan	cet 343:1607-1608	
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Lohman et al.,	996 J of	Autoimmunity 9:385-389	
Lohman et al.,	1996 Horm	one & Metabolic Res. 28:357-360	
		Technology 6:47 et seq.	
MacLaren, N and	K Laffet	y 1993 Diabetes 42:1099-1104	
Maniatis, 1982	Molecular	Cloning: A Laboratory Manual	
		7 Science 238:1073 et seq.	
		nzymol 194:491-507	
		0 Nucl Acids Res 18:3587 et seq.	
		Invest 95, pp628-634	
	Eds., 199	4 The Polymerase Chain Reaction Spring	er-Verlag, New
York, NY	1005 =	1 m 1 16 20 1	
		munol Today 16:39 et seq.	
		munol 140:2569-2578 etologia pp 549-559	
		Cytometry: A Practical Approach 2 nd ed.	TDI Drogg at
Oxford Universi			IND Fless at
		immunology 2 nd ed Paul (ed) Raven Press,	New York
		z 1996 J Autoimmunity 9:365-370	10111
		autoimmunity 9:349-356	
		al Science, Mack Publishing Co., Phila	delphia PA 17 th
ed (1985)	•	· · · · · · · · · · · · · · · · · · ·	
Richter et al.,	1992 Pro	c Natl Acad Sci USA 89:8467-8471	
		dicine 1:625-633	
		c Natl Acad Sci USA 90:4409-4413	····
		lecular Cloning: A Laboratory Manual C	old Spring Harbor
Press Cold Spri			
		Chem 269:17267 et seq.	
		Enzymol 194:389-398	1 4000
1 1 1	Schwartz,	RS, Immunolgy 3 rd ed. Raven Press New	York, 1993 pp
1033-1097	1050 No+	uro 194.1090-1092	
		ure 184:1080-1082	
Singer et al., Smith et al., 1			
		1993 Nature 366: 15-17	
Steinman, 1995			
Strasser, 1995			
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FILING DATE G	GROUP Art Unit:
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.	cc.)
Sun et al., Eur J Immunol 21:1461-1468	
Taguchi et al., 1990 J Immunol Meth 128:65-73	
Talib et al., 1991 Gene 98:289-293	
Tisch et al., 1993 Nature 366:72-75	
Von Boehmer, 1988 Ann Rev Immunol 6:309 et seq.	
Waslston et al., 1995 N Eng J Med 333:343-347 Walter et al., 1994 J Clin Invest 8:163-166	
Weir, 1978 Handbook Of Experimental Immunology 3 rd ed. Volume 2, 0	Collular
Immunology Blackwell Scientific Publication Oxford England	Cerrurar
Wicker et al., 1996 J Clin Invest 98:2597-2603	
Williams et al., 1988 Nucl Acids Res 16:10453 et seq.	
Wong et al., 1998 J. Clin Invest 102:947-957	<u>-</u>
Xie et al., 1997 J Immunol 159:3662-3667	-
Zhang et al., 1997 Diabetes 46:40-43 Zhang et al., 1991 Proc Natl Acad Sci USA 88:10252-10256	
Zhang et al., 1991 Plot Nati Acad Sci USA 66:10252-10256	
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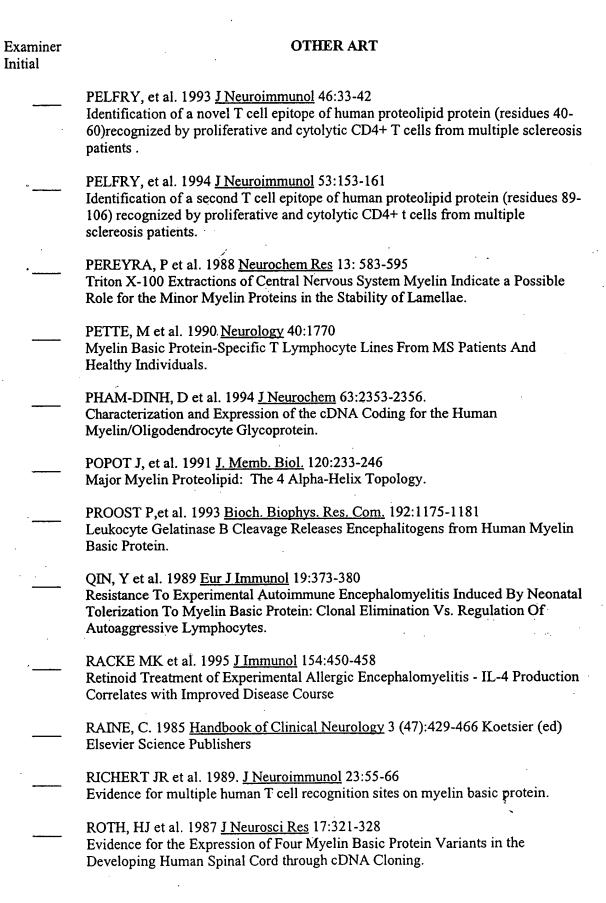
OTHER ART

itial	TRADEMARK
·	ABBAS, et al. 1994 Cell Mol Immunol 376-392
	ABO, S et al. 1993 <u>Bio Molec Biol Int</u> 30:945-958 Preparation of Highly Purified Human Myelin Oligodendrocyte Glycoprotein In Quantities Sufficient For Encephalitogenicity And Immunogenicity Studies.
· 	ADORINI, L et al. 1993 <u>Immunol Today</u> 14:285-289 Selective Immunosuppression.
	ALLEGRETTA, M et al. 1990 Science 247:718-722 T Cells Responsive to Myelin basic Protein in Patients with Multiple Sclerosis.
	ALLEGRETTA, M et al. 1994 <u>J Clin Invest</u> 94:105-109 Homologies Between T Cell Receptor Junctional Sequences Unique To Multiple Sclerosis And T Cells Mediating Experimental Allergic Encephalomyelitis.
	ALVORD, EC et al. 1979 <u>Ann Neurol</u> 6:461-468 Has Myelin Basic Protein Received a Fair Trial in the Treatment of Multiple Sclerosis?
:	ALVORD, EC et al. 1979 <u>Ann Neurol</u> 6:469-473 Myelin Basic Protein Treatment Of Experimental Allergic Encephalomyelitis in Monkeys
· •	AMOR S, et al. 1994 <u>Journal of Immunology</u> 153:4349-4356 Identification of Epitopes of Myelin Oligodendrocyte Glycoprotein for the Inductio of Experimental Allergic Encephalomyelitis in SJL and Biozzi AB/H Mice.
·	ARUGA, J et al. 1991 <u>J Neurochem</u> 56:1222-1226 Identification of the New Isoforms of Mouse Myelin Basic Protein: The Existence Of Exon 5a.
	BARNETT, LA et al. 1993 <u>J Neuroimmunol</u> 44:15-26 Enhancement Of Autoimmune Disease Using Recombinant Vaccinia Virus Encoding Myelin Proteolipid Protein.
·	BISHOPP, F. 1997 <u>Bioworld Today</u> 8 (77): 1 Autoimmune Stock Sinks on Disappointing Phase III Myloral Trial Data in MS.
 .	BOEHME, S et al. 1993. <u>Eur J Immunol</u> 23:1552-1560 Propriocidal Apoptosis of Mature T Lymphocytes Occurs at S Phase of the Cell Cycle.
	CARNEGIE P, et al. 1971 <u>Biochem J.</u> 123:57-67 Amino Acid Sequence of the Encephalitogenic Basic Protein
	CHEN, Y et al. 1994 <u>Science</u> 265:1237-1240 Regulatory T Cell Clones Induced by Oral Tolerance: Suppression of Autoimmune Encephalomyelitis.

Examiner Initial	OTHER ART
·	CHIANG, B-L et al. 1992 <u>Int Arch Allergy Immunol</u> 98:181-188 Prospects of Vaccination in Autoimmune Diseases.
	CHOU, YK et al. 1991 <u>J Neurosci Res</u> 28:280-290 Specificity of Human T Cell Clones Reactive to Immunodominant Epitopes of Myelin Basic Protein.
	CHOU, YK et al. 1992. <u>J Neuroimmunol</u> 38:105-114 Frequency Of T Cells Specific For Myelin Basic Protein And Myelin Proteolipid Protein In Blood And Cerebrospinal Fluid In Multiple Sclerosis.
	CORREALE, J et al. 1995 <u>J Immunology</u> 154:2959-2968 Patterns of Cytokine Secretion by Autoreactive Proteolipid Protein-Specific T Cel Clones During the Course of Multiple Sclerosis.
	CRITCHFIELD, JM et al. 1994 <u>Science</u> 263:1139-1143 T Cell Deletion in High Antigen Dose Therapy of Autoimmune Encephalomyelitis
	DIEHL H, et al. 1986 <u>Proc. Natl. Acad. Sci. USA</u> 83:9807-9811 Individual exons encode the integral membrane domains of human myelin proteolipid protein.
	DUVALL, et al. 1986 Immunol Today 7:115-119
	EINSTEIN, et al. 1962 <u>J Neurochem</u> 9:353-361 The isolation from bovine spinal cord of a homogeneous protein with encephalitgenic activity.
·	ENDOH, M et al. 1986 <u>J Immunol</u> 137:3832-3835 DM-20, A Proteolipid Apoprotein, Is An Encephalitogen Of Acute And Relapsing Autoimmune Encephalomyelitis In Mice.
 	FRITZ, RB et al. 1994 <u>J Neuroimmunol</u> 51:1-6 Encephalitogenicity Of Myelin Basic Protein Exon-2 Peptide In Mice.
	GREER, JM et al. 1992 <u>J Immunol</u> 149:783-788 Identification and Characterization of a Second Encephalitogenic Determinant of Myelin Proteolipid Protein (Residues 178-191) for SJL Mice.
	GRIMA, B et al. 1992 <u>J Neurochem</u> 59:2318-2323 A Novel Transcript Overlapping the Myelin Basic Protein Gene.
' <u></u>	GROSJEAN, H et al. 1982 <u>Gene</u> 18:199-209 Preferential Codon Usage In Prokaryotic Genes: The Optimal Codon-Anticodon Interaction Energy And The Selective Codon Usage In Efficiently Expressed Genes.

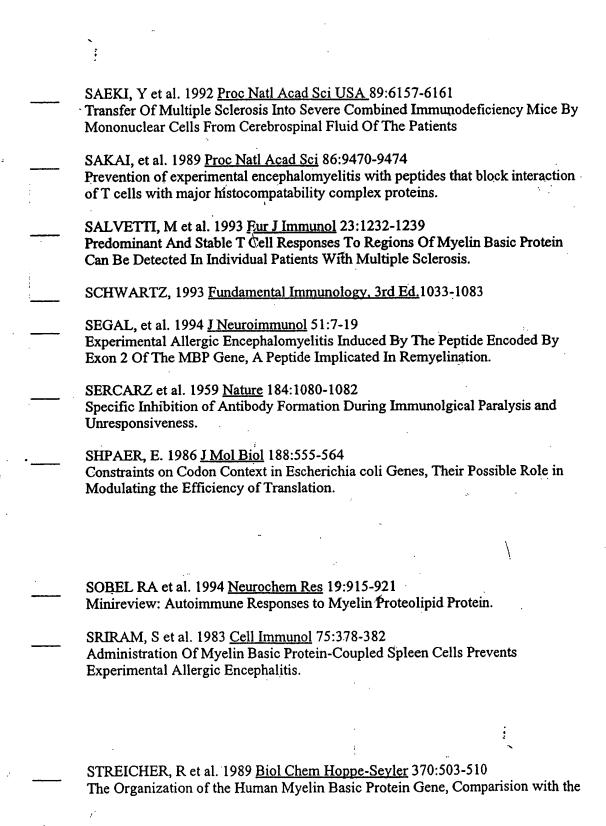
Examiner Initial		OTHER ART
		HERNAN, RA et al. 1992 <u>Biochemistry</u> 31:8619-8628 Human Hëmoglobin Expression In Escherichia Coli: Importance Of Optimal Codon Usage.
		HIGGINS, PAUL J. et al. 1988 <u>J Immunol</u> 140:440-445. Suppression Of Experimental Autoimmune Encephalomyelitis by Oral Administration of Myelin Basic Protein and its Fragments.
		HORVATH, L et al. 1990 <u>Biochemistry</u> 29:2635-2638 Influence of Polar residue Deletions of Lipid-Protein Interactions with the Myelin Proteolipid Protein. Spin-Label ESR Studies with DM-20/Lipid Recombinants.
٠.		JOHNSON, D et al. 1986 <u>J Neuroimmunol</u> 13:99-108 Cell-Mediated Immunity to Myelin-Associated Glycoprotein, Proteolipid Protein, and Myelin Basci Protein in Multiple Sclerosis.
		KAMHOLZ, J et al. 1986 <u>Proc Natl Acad Sci USA</u> 83:4962-4966 Identification of three forms of human myelin basic protein by cDNA cloning.
		KAMHOLZ, J et al. 1988 <u>J Neurosci Res</u> 21:62-70 Organization and Expression of the Human Myelin Basic Protein Gene.
	·	KAUFMAN, DL et al. 1993 <u>Nature</u> 366:69-72 Spontaneous Loss Of T-Cell Tolerance To Glutamic Acid Decarboxylase In Murine Insulin-Dependent Diabetes.
\		KENNEDY, M et al. 1990 <u>J Immunol</u> 144: 909-915 Inhibition of Murine Relapsing Experimental Autoimmune Encephalomyelitis by Immune Tolerance to Proteolipid Protein and its Encephalitogenic Peptides.
,		KERLERO DE ROSBO, et al. 1993 J Clin Invest 92:2602-2608 Reactivity to Myelin Antigens in Multiple Sclereosis.
,		KRONQUIST, et al. 1987 <u>J Neurosci Res</u> 18:395-401 Expression of Myelin Proteins in the Developing Human Spinal Cord: Cloning and Sequencing of Human Proteolipid Protein cDNA.
	*****	LEHMANN, PV et al. 1992 <u>Nature</u> 358:155-157 Spreading Of T-Cell Autoimmunity To Cryptic Determinants Of An Autoantigen.

Examiner Initial	OTHER ART
· ·	LIBLAU, R et al. 1991 <u>Eur J Immunol</u> 21:1391-1395 T Cell Response To Myelin Basic Protein Epitopes In Multiple Sclerosis Patients And Healthy Subjects.
·	MARTIN, R et al. 1992 <u>Ann Rev Immunol</u> 10:153-187 Immunological Aspects of Demyelinating Diseases.
·	MARTIN, R et al. 1992 <u>J Immunol</u> 148:1359-1366 Diversity in Fine Specificity and T Cell Receptor Usage of the Human CD4+ Cytotoxic T Cell Response Specific for the Immunodominant Myelin Basic Protein Peptide 87-106.
· · ·	MCRAE, B et al. 1992 <u>J Neuroimmunol</u> 38:229-240 Induction Of Active And Adoptive Relapsing Experimental Autoimmune Encephalomyelitis (EAE) Using An Encephalitogenic Epitope Of Proteolipid Protein.
<u>·</u>	MEINL, et al. 1993 <u>J Clin Invest</u> 92:2633-2643 Myelin Basic Protein-Specific T Lymphocyte Repertoire in Multiple Sclerosis.
<i>:</i>	MILLER, A et al. 1992 <u>J Neuroimmunol</u> 39:243-250 Suppression Of Experimental Autoimmune Encephalomyelitis By Oral Administration Of Myelin Basic Protein. V. Hierarchy Of Suppression By Myelin Basic Protein From Different Species.
	MILLER, A et al. 1992 <u>Neurology</u> 42(suppl 3):301 et seq. Active suppression Versus Clonal Anergy Following Oral or IV Administration of MBP in Actively and Passively Induced EAE.
	MILLER, A et al. 1992 <u>Proc. Natl. Acad. Sci. USA</u> 89:421-425 Suppressor T Cells generated by oral tolerization to myelin basic protein suppress both in vitro and in vivo immune responses by the release of transforming growth factor after antigen-specific triggering.
—	MILLER, SD et al. 1994 <u>Immunol Today</u> 15:356-361 The Immunopathogenesis And Regulation Of T-Cell-Mediated Demyelinating Diseases.
	MITCHISON 1964 Proc R Soc London Ser B 161:275-280 Induction of immunological paralysis in two zones of dosage.
<i>'</i>	OETTINGER. H et al. 1993 <u>J Neuroimmunol</u> 44:157-162. Biological Activity Of Recombinant Human Myelin Basic Protein.



Examiner Initial

OTHER ART



Mouse Gene.

Examiner Initial	OTHER ART
	SU, X et al. 1991 <u>J Neuroimmunol</u> 34:181-190 Treatment Of Chronic Relapsing Experimental Allergic Encephalomyelitis With The Intravenous Administration Of Splenocytes Coupled To Encephalitogenic Peptide 91-103 Of Myelin Basic Protein.
	TRAUGOTT, U et al. 1982 <u>J Neurol Sci</u> 56:65-73 Chronic Relapsing Experimental Autoimmune Encephalomyelitis, Treatment with Combinations of Myelin Components Promotes Clinical and Structural Recovery.
· <u></u>	TUOHY V, et al. 1994 Neurochemical Research 19:935-944 Peptide Determinants of Myelin Proteolipid Protein (PLP) in Autoimmune Demyelinating Disease: A Review*
· <u></u>	TUOHY, V et al. 1992 <u>J Neuroimmunol</u> 39:67-74 Myelin Proteolipid Protein: Minimum Sequence Requirements For Active Induction Of Autoimmune Encephalomyelitis In SWR/J And SJL/Mice.
	UTZ, U et al. 1994 Proc. Natl. Acad. Sci USA 91:5567-5571 Heterogeneity Of T-Cell Receptor ~-Chain Complementarity-Determining Region 3 In Myelin Basic Protein-Specific T Cells Increases With Severity Of Multiple Sclerosis.
÷	VAN DER VEEN, R et al. 1990 <u>J Neuroimmunol</u> 26:139-145 The Development And Characterization Of Encephalitogenic Cloned T Cells Specific For Myelin Proteolipid Protein
·	VAN DER VEEN, R et al. 1992 <u>J Neuroimmunol</u> 38:139-146 Immune Processing Of Proteolipid Protein By Subsets Of Antigen-Presenting Spleen Cells
V - 2	VAN NOORT, J et al. 1994 <u>J Chromatogr B</u> 653:155-161 Fractionation Of Central Nervous System Myelin Proteins By Reversed-Phase High-Performance Liquid Chromatography.
	VANDENBARK, A et al. 1989 <u>Nature</u> 341:541-544 Immunization With A Synthetic T-Cell Receptor V-Region Peptide Protects Against Experimental Autoimmune Encephalomyelitis.
	VOSKUHL, R et al. 1993 <u>J Neuroimmunol</u> 42:187-192 T-Lymphocyte Recognition Of A Portion Of Myelin Basic Protein Encoded By An Exon Expressed During Myelination.
	VOSKUHL, R et al. 1993 J Neuroimmunol 46:137-144 A Novel Candidate Autoantigen In A Multiplex Family With Multiple Sclerosis: Prevalence Of T-Lymphocytes Specific For An MBP Epitope Unique To Myelination.

Examiner Initial	OTHER ART
	VOSKUHL, RR et al. 1994 <u>J Immunol</u> 153:4834-4844 HLA Restriction And TCR Usage Of T Lymphocytes Specific For A Novel Candidate Autoantigen, X2 MBP, In Multiple Sclerosis.
	WADA, K et al. 1992 <u>Nucl Acids Res</u> 20:(Supplement)2111-2118 Codon Usage Tabulated From The Genbank Genetic Sequence Data.
	WAUBEN, MH et al. 1994 <u>J Immunol</u> 150:4211-4220 Inhibition Of Experimental Autoimmune Encephalomyelitis By MHC Class II Binding Competitor Peptides Depends On The Relative MHC Binding Affinity Of The Disease-Inducing Peptide.
¥	WEIMBS, T et al. 1992 <u>Biochemistry</u> 31:12289-12296 Proteolipid Protein (PLP) Of CNS Myelin: Positions Of Free, Disulfide-Bonded, And Fatty Acid Thioester-Linked Cysteine Residues And Implications For The Membrane Topology Of PLP.
· · · · · · · · · · · · · · · · · · ·	WEINER, H et al. 1993 <u>Science</u> 259:1321-1324. Double-Blind Pilot Trial Of Oral Tolerization With Myelin Antigens In Multiple Sclerosis.
<u> </u>	WHITHAM, R et al. 1991 <u>J Immunol</u> 147:101-107 Lymphocytes From SJL/J Mice Immunized With Spinal Cord Respond Selectively To A Peptide Of Proteolipid Protein And Transfer Relapsing Demyelinating Experimental Autoimmune Encephalomyelitis.
·	WHITHAM, R et al. 1991 <u>J Immunol</u> 147:3803-3808 Location Of A New Encephalitogenic Epitope (Residues 43 To 64) In Proteolipid Protein That Induces Relapsing Experimental Autoimmune Encephalomyelitis In PL/J And (SJL X PL)F ₁ Mice.
. — . <u>— — </u>	WILLIAMS, DP et al. 1988 <u>Nucl Acids Res</u> 16:10453-10467 Design, Synthesis And Expression Of A Human Interleukin-2 Gene Incorporating The Codon Usage Bias Found In Highly Expressed Escherichia coli Genes.
	WUCHERPFENNING, K et al. 1994 <u>J Immunol</u> 152:5581-5592 Clonal Expansion And Persistence Of Human T Cells Specific For An Immunodominant Myelin Basic Protein Peptide.
·	YOON, 1993 Science 259:1263 MS Study Yields Mixed Results.
	ZAMVIL, et al. 1986. Nature 324, 258-260 T cell epitope of the autoantigen myelin basic protein that induces encephalomyelitis.

